

**Title: POWER SUPPLY SIGNAL FROM SYSTEM SIDE
CIRCUIT TO LINE SIDE CIRCUIT IN
TELECOMMUNICATION DEVICE**

ABSTRACT OF THE DISCLOSURE

In some embodiments, an apparatus includes a line side circuit and a system side circuit to couple to the line side circuit via an isolation interface. The system side circuit includes a first clock line to couple to the line side circuit via a first capacitor to supply a
5 first clock signal to the line side circuit, and a second clock line to couple to the line side circuit via a second capacitor to supply a second clock signal to the line side circuit.